

JUN 20 2005

PTO/SR/87 (04-00)  
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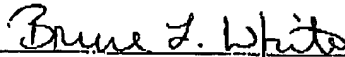
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Jan Arthur Aune et al.

U.S. Serial No. 10/646,507

Filed August 23, 2003

Confirmation No. 9659

"Electrode Arrangement As Substitute Bottom for an Electrothermic Slag  
Smelting Furnace"

Attorney Docket: 03-0668 (ESCM 370108-00048)

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USSN: 10/646,507  
Filed August 23, 2003

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In re application of	)	Examiner Tu Ba Hoang	JUN 20 2005
Jan Arthur Aune et al.	)	Group Art Unit 3742	
Serial No. 10/646,507	)	Confirmation No.: 9659	
Filed August 23, 2003	)	Atty. Docket No.: 03-0668	
For Electrode Arrangement As Substitute	)	ESCM 370108-00048	
Bottom For An Electrothermic Slag	)		
Smelting Furnace	)		
	)		
	)		
	)		

**RESPONSE AND AMENDMENT**

Eckert Seamans Cherin & Mellott, LLC  
Alcoa Technical Center  
100 Technical Drive  
Alcoa Center, PA 15069

June 20, 2005

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action dated March 25, 2005 in connection with the above-captioned application. Applicants amendments/arguments filed 12/21/04 has been entered in lieu of a RCE filed 02/02/05. The Office Action has been reviewed, and the following response offered to advance the case to allowance. Reconsideration and early allowance of all pending claims in light of the following amendments and remarks is courteously requested. Please amend the captioned application as follows:

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**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which  
begins on page 4 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.